

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 06/02/2008

Contract ID 071130-202 Job No. J2P0771, J2P0773
County Randolph/Adair/Macon Route 63 Original Bid Cost \$9,769,581.00
Contractor APAC-Missouri, Inc By JASON BACKUES
Designed By MODOT Phone (573) 449-0886

VECP 08-45

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

APAC proposes to eliminate all Type 1 Ditch Checks, Inlet Checks, and Sediment Removal on both jobs. We believe that the material disturbed consists of rock and millings and will create no erosion hazards. (Please see attached spreadsheet)

2. Estimate of reduction in construction costs. \$29,526.58

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

06/02/2008

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

06/09/2008

(date)

Will extend completion date of project.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)



APAC-Missouri, Inc.

1591-A East Prathersville Road
Columbia, MO 65202
P.O. Box 1117
Columbia, MO 65205
Tel: 573 449-0886, Fax: 573 449-2980

Monday, June 02, 2008

Jeff Gander, R.E.
MoDOT Macon Project Office
P.O. Box 254
26824 US. Hwy 63 North
Macon, MO 63552

Re: Rte. Randolph/Adair/Macon Co., Job No. J2P0771 J2P0773, Contract I.D. No. 071130-202
Value Engineering Proposal #3(Erosion Control Items)

Dear Mr. Gander:

As we discussed we would like to submit the attached V.E. Proposal for removing the Ditch Checks, Inlet Checks and Sediment Removal from the above-referenced project. We are suggesting this due to the fact that all material that will be disturbed is mostly aggregate and should not create an erosion problem.

Please let us know if there are any questions.

Sincerely,
APAC-Missouri, Inc.

A handwritten signature in black ink, appearing to read 'Jason Backues'. The signature is fluid and cursive, written over a white background.

Jason Backues
Superintendent

Cc: Job File

V.E. Proposal #3

(Erosion Control Devices eliminated)

Savings due to new proposal

Line No.	Item Description	Quantity	Unit Price	Amount
0310	Sediment Removal	12 CY	\$28.53	\$342.36
0320	Type 1 Ditch Check	12 EA	\$98.96	\$1,187.52
0330	Inlet Check	33 EA	\$218.75	\$7,218.75
0760	Sediment Removal	26 CY	\$28.55	\$742.30
0770	Type 1 Ditch Check	90 EA	\$98.66	\$8,879.40
0780	Inlet Check	51 EA	\$218.75	\$11,156.25
Total=				\$29,526.58

Costs due to new proposal(in addition to original plans)

Line No.	Item Description	Quantity	Unit Price	Amount
Total=				\$0.00

Net Savings for new Proposal

Savings due to new proposal:	\$29,526.58
Costs due to new proposal(in addition to original plans):	\$0.00
Net Value Engineering Savings:	\$29,526.58
 Total Value Engineering Savings for the Contractor(25%):	 \$7,381.65
Total Value Engineering Savings for MoDOT(75%):	\$22,144.94

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: These erosion control items were not necessary since the removal of the excess shoulder exposed only aggregate and asphalt material. The grass turf in the median was adequate to filter out the small amount of fines from the shaping of the shoulder. There was no risk for erosion, therefore, the erosion control items were not installed.

Jeffrey J. Bender
Submitted By Resident Engineer

6-12-08
Date

Comments: This change is not a new idea, but strictly an underrun of contract items that were not necessary once the material under the surface of the shoulder was found to be primarily aggregate. The erosion control items were included in the contract only as a precautionary measure in case the shoulder removal exposed a significant amount of earth.

- Approval Recommended
 Rejection Recommended

David Hess
District Engineer *DH*

6/12/08
Date

Comments:

*I concur with the comments above. Timi Katche
6-25-08*

- Approval
 Rejection

David B. Owen
State Operations Engineer *CM Eng.*

6-25-08
Date

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

- Bridge/Structure/Footings
- Drainage Structures (RCP, RCB, CMP's, ect.)
- TCP/MOT
- Paving (PCCP, ect.)
- Grading/MSE Walls
- Signal/Lighting/ITS
- Misc. _____ Erosion Control _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

__ Contractor proposes to eliminate erosion control on the job. (This would be the same erosion control devices that MoDOT would have under-run as a routine decision on the project)

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.